

10/500022

Rec'd PGT/PTO 10 FEB 2005

Sport Shoe with Cleats

JK
2/4/07
This application is a 371 of PCT/DE02/04749 Filed on Dec. 23, 2002
BACKGROUND OF THE INVENTION

Field of the Invention

[0001] This invention comprises a sport shoe with a sole that holds a removable cleat attached to the sole, wherein the cleat has a locking section that reaches behind a receptacle in the sole.

Description of the Prior Art

[0002] A sport shoe of this type is known, for example from EP 0 815 759. The sport shoe has a sole with cleats removably attached to it, wherein the cleats are held at the sole through a shape locked connection and a securing device. This shape-locked connection is accomplished by means of a multi-cornered socket on the cleat and a complementary receptacle in the sole, for example, whereas the securing device is a screw on the cleat and a threaded opening in the sole. The shape-locked connection and the securing device are arranged perpendicular to the surface of the sole. Handling this type of cleat is relatively cumbersome, since first the connection between the screw and the screw opening has to be made when replacing a cleat, whereupon the hexagonal shape has to be placed in the right position with its complementary receptacle. The user is thus forced to hold the cleat in position with one hand while tightening the screw with the other hand.

[0003] Another type of connection of a round cleat to the sole of a sport shoe is described in US 4,698,923. The cleat is pressed into a receptacle in the sole with the help of a tool and is then rotated until locking tabs that protrude from the cleat reach behind an undercut in the receptacle. The disadvantage to this embodiment is that when inserting a cleat, two procedures have to be done: one involves the insertion of the cleat into the receptacle and the other involves rotating it